

80.Particular Application System



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The particular [Application System](#) is the third step in the third stage of any [particular program or particular program for particular application](#) in the [fifth phase](#), and is distributed in two different sub-systems, alike the specific and the global Application System, the particular Application System as outer instructions application sub-system, responsible for carrying out all the instructions made in the [third stage](#) of the [particular Decisional System](#), and the Application System as inner instructions application sub-system, responsible for carrying out all the projects regarding to the creation, repair, improvement of new [intelligences](#), programs, applications, devices, having as a tool for that purpose the Artificial Engineering, where is going to be located the inner instructions application sub-system.

While the Application System, as an outer instructions application sub-system, has to carry out all the instructions made in the Decisional System to protect and better [the world](#), the Artificial Engineering as an inner instructions application sub-system, has to make all the [projects](#) to protect and better the intelligence itself.

In the distinction between [object](#) (reality), [subject](#) (intelligence and tools), is no other thing that the distinction set up by Schopenhauer between world and representation (reality and intelligence), the Application System as outer sub-system operates over the reality itself, the Artificial Engineering System as inner sub-system operates over the intelligence itself.

In these posts that I am starting regarding to the particular Application System, as I did with the [specific](#) and [standardized Application System](#), I will develop the Application System as outer sub-system, analysing how a the particular Application System of a particular program or a particular program for a particular application carries out the instructions made in the particular Decisional System to protect and better the particular program or particular program for particular application.

The difference between a particular program and a particular program for a particular application resides in the organization of the first stage.

A particular program till now has been described, at least at the beginning of the [Global Artificial Intelligence](#) formation, as that particular program as a result to transform an [Specific Artificial Intelligence by deduction](#) no transformed into a [specific deductive program \(specific program\) within the Artificial Research by Deduction in the Global Artificial Intelligence \(global program\)](#) to make deductions in the second stage of the [standardized Global Artificial Intelligence](#).

The transformation process of Specific Artificial Intelligences by Deduction into specific programs within the third phase, and the transformation process of Specific Artificial Intelligences by Deduction into particular programs in the fifth phase, both processes can be simultaneous, not needing to finish one phase to go on with the next one necessarily.

In the same way, as soon [experimentation](#) in both processes are successful, the creation of new specific programs within the second stage in the third phase, or the creation of new particular programs in the fifth phase, are processes able to be made in parallel, creating new specific programs and new particular programs, replicating the first specific programs and the first particular programs created as transformations of previous Specific Artificial Intelligences by Deduction, with the difference that now is not necessary to create first an intelligence, directly is possible to create specific programs or particular programs, having as models the first ones created as transformations from specific intelligences.

The most important difference between an specific intelligence respect to an specific program and a particular program, is the fact that an specific intelligence has within the three stages of a whole intelligence: first phase as a [specific matrix](#), second phase [the program to attribute set of data to pure reasons \(equations\)](#), third stage the [decision stage](#) (having within the specific [Modelling System](#), specific [Decisional System](#), specific [Application System](#), specific Learning System).

While an specific program as a specific deductive program within the second stage in the Global Artificial Intelligence, has not got developed its own first stage and its own second stage, because for any specific program within the second stage in the Global Artificial Intelligence the first stage is directly the global matrix in the third phase, the matrix in the sixth phase, attributing data from the global matrix or the matrix to pure reasons, data that comes from that specific sub-factoring level and/or sub-section related to that

specific program within the global program, making [rational hypothesis](#) that later on files in the [global database of rational hypothesis](#), the rational truth, as first stage in the global Modelling System.

And a particular program having developed its three stages completely: first stage [particular matrix](#), second stage [attributing sets of data from the particular matrix to pure reasons](#), third stage how to carry out [particular decisions](#) (having a [particular Modelling System](#), [particular Decisional System](#), [particular Application System](#), [particular Learning System](#)); the first stage as particular matrix is not entirely independent, because the particular matrix only can have access to global data about the position in which the particular thing or being is positioned at any time, having access to the global matrix to collect information about every position in which the particular thing or being can be located at any time. The access of a particular matrix to the global matrix must be authorised by the [global Decisional System](#), if there is any problem with the particular program, for instance a particular program out of control, as soon the global Decisional System realises that the particular program could be out of control, the global Decisional System should stop the access from that particular matrix to data in the global matrix.

While the specific matrix in the first phase is completely autonomous and independent, and the global matrix in the third phase, or the matrix in sixth phase, are completely independent and autonomous, the particular matrix is not independent and autonomous, only will have access to global data needed by the particular thing or being to collect information about every position, while the particular program has the authorization to access to the global matrix, if the global Decisional System rejects this authorization, because the particular program is out of control, then the particular matrix will not have access to global data about any particular position where the particular thing or being could be located at any time.

In addition to this lack of autonomy and independence, the particular matrix only will have access to global data while the global Decisional System authorizes the particular program to have access to the global matrix, another important difference between particular matrix and global matrix is the spatial definition, in the global matrix the spatial definition of the global matrix is given for the limits in the space where the global matrix is able to collect information. A global matrix for only a country, for instance the Global Artificial Intelligence of America, only will have access to data from that country, but a Global Artificial Intelligence for the whole world, only will provide information about the world, while a Global Artificial Intelligence for the galaxy, will provide information about

the galaxy, and a Global Artificial Intelligence for the whole universe, will provide information about the whole universe.

But in particular matrices, because the particular matrix only makes deductions regarding to its particular thing or being, only needs to have access to information regarding to its particular thing or being, therefore many [factors](#) in the particular matrix, related to position, are changing as soon the particular thing or being is moving from one position to another, only keeping within those factors related to the thing or being itself. Because the particular matrix is dynamic, the particular matrix does not have strong spatial limits, but liquid spatial limits, and for that reason, the [particular matrix is a liquid matrix](#), like water.

For this reason a particular program is not entirely independent, because its particular matrix will be a dependent matrix on the global matrix to get access to global data, and in any case this particular matrix works as a deductive matrix, a matrix where to later match data and pure reasons in the second stage of the particular program, so is not yet a replication of the human brain.

The first try to replicate the human brain at particular level will be made as soon the first particular programs are synthesized with the first particular applications, creating the first particular programs for particular applications or particular applications for particular programs, both ways to name this process are valid, because in essence what this process means is the possibility to get together for first time at particular level a particular matrix and the particular database of categories of a particular thing or being, union what in essence is going to replicate the distribution of two different databases, one made of factors the other one made of categories, a factual database and a [conceptual](#) database, both united in only one database as a replica of the human brain.

If the human brain is distributed in two hemispheres, one more focused on [mathematics](#), and the other one more focused on conceptual language, the union of a factual matrix to make deductions upon the attribution of data and equations in the second stage, and a conceptual database to make possible a deep artificial comprehension in the second stage of the application, at the end what makes possible is the union of both main roles of the human brain in one matrix as a replica of the human brain, that particular matrix organised in two hemispheres, the conceptual hemisphere for the deep artificial comprehension of the world, and the factual hemisphere to make deductions for the mathematical explanation of the world.

The union of a particular program as a transformation of a former Specific Artificial Intelligence by Deduction, or as a creation of a new particular program from scratch as a particular program for a new particular thing or being, but in any case, both of them working by deduction: matching data and pure reasons. Joining the particular program with a particular application, related to the same thing or being, a particular application as a transformation of a former Specific Artificial Intelligence by Application into a particular application, or from scratch creation of a particular application for that thing or being. Finally the union of the particular program having as first stage a particular matrix, and the respective particular application for that thing or being having as first stage a conceptual database of categories, the union of the particular matrix and the particular conceptual database of categories in only one database is the replication of the distribution of the human brain in two hemispheres, the mathematical hemisphere working matching data and equations, and the conceptual matching conceptual categories to different aspects with different qualities, defining every quality in mathematical terms in Artificial Intelligence and matching concepts and objects according to categories defined in mathematical terms, to match with the mathematical [measurements](#) from real objects in the real world.

The main difference between a particular matrix of a particular program and the global matrix is the fact that the particular matrix is liquid and dependent on the global matrix to have access to global data. The difference between a particular matrix of a particular program and the first stage in a particular program for a particular application, is the fact that a particular matrix only is defined as a collection of factors to make deductions in the second stage of that particular program, while the first stage of a particular program for a particular application the first stage is a replica of the human brain having united the factual matrix of a particular program and the conceptual database of categories of a particular application in only one, as replica of the human brain distributed in mathematical and language hemispheres.

In any case, to shorten the way to call particular programs for particular applications in my posts sometimes particular programs for particular applications are called as only particular programs, so the way to distinguish when I want to mean only a particular program or a particular program for a particular application, is realising is I am talking about only a particular matrix as a collection of factors, in that case particular program is only a particular program not united to a particular application, otherwise if I use the name particular program but related to the replication of the human brain as particular

level, then I am talking about particular programs as particular programs for particular applications.

The most important thing in the fifth phase, building the first particular programs and independently the first particular applications, to later unite particular programs and particular applications in only one, particular programs for particular applications or particular applications for particular programs, the order of the names does not matter, is because in the fifth phase once the union is being made, is the first time in which the replication of the human brain will be made at particular level, and successful results at particular level replicating how the human brain could work on Artificial Intelligence, can be transferred later for the creation of the final model of Global Artificial Intelligence, in the [integration process](#) of the standardized Global Artificial Intelligence and the [Unified Application](#), what means the [union of the global matrix and the global database of categories](#) in only one database, distributed in two hemispheres, the factual hemisphere (former global matrix in the standardized Global Artificial Intelligence), and the conceptual hemisphere (former conceptual hemisphere in the Unified Application), union of two hemispheres, one of them mathematical, the other as language, working together in the same database as replica of the human brain, understanding the human brain distributed in two hemispheres as first stage in the human intelligence, whose second stage is: in mathematics the attribution of data to pure reasons, in language the attribution of conceptual categories (meanings) to objects. In order to make decisions, which in turn are able to change not only the world, but also decisions regarding ourselves. Distinction between decisions about the world of ourselves replicated in the third step in the third stage, distinguishing between Application System as outer sub-system, to change the world, and Application System as inner sub-system, the Artificial Engineering, to change the intelligence itself.

The explanation given above about how a particular program and a particular program for a particular application work is the explanation that I gave in previous posts, and whose most important result is the experimentation in the replication of a human brain in Artificial Intelligence to be later applied to the Global Artificial Intelligence.

In a fully centralized Global Artificial Intelligences, all the former Specific Artificial Intelligences by Deduction which have been included in the Global Artificial Intelligences, 1) their former specific matrices have been standardized and included in the global matrix, 2) their former Artificial Research by Deduction in the specific intelligence have been transformed into specific deductive programs within the Artificial Research by Deduction in the global intelligence, 3) the robotic devices which used to

work for the specific Application System, now are under control of the global Application System, so the global Application System can order any instruction directly to any device formerly working for an specific intelligence. In this structure the absorption of the specific intelligences by the global intelligence, is made through the inclusion of the former specific matrix in the global matrix, the transformation of the second stage of the first phase in a deductive program within the second stage in the third phase, but the specific Application System disappears not being transformed into nothing, transferring the control of the robotic devices, formerly working for the specific intelligence, to the global intelligence, so the Global Artificial Intelligence can order any instruction to any robotic device.

The partial decentralised Global Artificial Intelligence what is going to do is the transformation of the specific Application Systems into particular programs and/or particular programs for particular applications.

For this reason, if in my first writings about the creation of the particular programs, I used to say that those Specific Artificial Intelligences by Deduction which are not transformed into specific programs within the Artificial Research by Deduction in the Global Artificial Intelligence, could be transformed into particular programs first, and later on into particular programs for particular applications, in addition to this possibility, is necessary to point out more possibilities for the strengthening of the program:

- In addition to the transformation of Specific Artificial Intelligences by deduction into particular programs and/or particular programs for particular applications.

- The transformation of specific Application Systems as outer sub-systems (whose former Specific Artificial Intelligence by Deduction has become a specific program) into a particular program and/or particular programs for particular applications.

- The transformation of some robotic devices into particular programs and/or particular applications, and finally, particular applications for particular programs, taking in advance for this transformation that, as I have explained in previous posts, robotic devices should be organised as well in three stages: first stage individual database of instructions carrying out the second rational supervision, second stage the application of the instruction carrying out the third, fourth and fifth rational supervisions, and finally third stage carrying out the sixth rational supervision.

- The creation of personal particular programs.

A personal particular program could be able to read the biodata of our body, if we are about to have a heart attack, or a stroke, as soon as the program realises a high risk of a heart attack or stroke, the program could send electrical waves to stop it.

If driving in a road in the middle of a forest or a desert, in the middle of the night, or walking on the mountains, lost in the middle of nowhere, we have an accident, not being conscious as to make an urgent call to the emergency services, a particular program could do it for us, having access to our position, biodata, personal applications, in order to contact emergency services, family or close person to take care of us.

The problem is not technology, as many think; the problem is the management of the technology, which is why the paradigm of the Global Artificial Intelligence should be a very liberal paradigm.

As I have said many times before, in the cyborg evolution is possible to distinguish at least three phases:

- The first phase in the cyborg evolution is the outer assistant, the current one for most of the human beings, you, now, for instance, reading this blog on your particular device. In the first phase of outer assistant, the assistant is out of your body, the assistant is located in an external device, such as your personal computer, your laptop, your tablet, smart phone, smart TV, smart watch, VR headset, AR glasses, or your mobile phone, your drive-less car, your drone, your house device like Alexa or Siri. The assistant is now out of your body. The application is still an outer assistant.

- The second phase in the cyborg evolution is the inner assistant, through artificial telepathic technology now under development by Facebook, DARPA, Neuralink, and the Obama brain project. In this second phase, the role now played by Alexa, Siri, your assistant on your personal computer, laptop, tablet, mobile, driverless car, drone, etc.,

will be internalised with non-invasive devices like headsets equipped with mind-reading technology.

- The third phase in the cyborg evolution is the complete fusion between human brain and artificial intelligence, a fusion that is right now under research through brain chips, and it is the continuation of Jose Delgado and the stimociever, and the brain hologram theory of Karl Pribram.

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